

Human Retinoid X Receptor Alpha (RXRa) ELISA Kit | RXRa elisa kit

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CATALOG #
AAA138134

REACTIVITY
Human

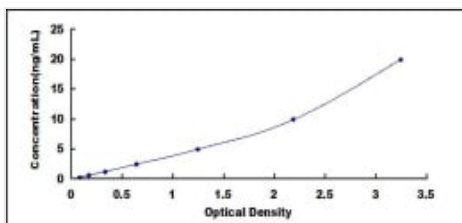
PRODUCT SYNONYMS

Retinoid X Receptor Alpha (RXRa); Human Retinoid X Receptor Alpha (RXRa) ELISA Kit; NR2B1; RXR-A; NR2-B1; Nuclear Receptor Subfamily 2; Group B; Member 1; Retinoic acid receptor RXR-alpha; RXRa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Retinoid X Receptor Alpha (RXRa). No significant cross-reactivity or interference between Retinoid X Receptor Alpha (RXRa) and analogues was observed.
Sequence Length	365
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	33pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Retinoid X Receptor Alpha (RXRa) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Retinoid X Receptor Alpha (RXRa) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RXRa elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Retinoid X Receptor Alpha (RXRa). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Retinoid X Receptor Alpha (RXRa). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Retinoid X Receptor Alpha (RXRa), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Retinoid X Receptor Alpha (RXRa) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RXRa elisa kit	Signal transduction; Metabolic pathway; Endocrinology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	133701
NCBI GeneID	6256
UniProt Accession #	P19793; Q2NL52; Q2V504; B3KY83
Molecular Weight	41,060 Da
NCBI Official Full Name	Retinoic acid receptor RXR-alpha
NCBI Official Synonym Full Names	retinoid X receptor, alpha
NCBI Official Symbol	RXRA
NCBI Official Synonym Symbols	NR2B1
NCBI Protein Information	retinoic acid receptor RXR-alpha
UniProt Protein Name	Retinoic acid receptor RXR-alpha
UniProt Gene Name	RXRA
UniProt Synonym Gene Names	NR2B1
UniProt Entry Name	RXRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/retinoid-x-receptor-alpha-rxra/138134>